

ENGINE LOG BOOK
#2



The Standard

ENGINE LOG

ASA-SE-1

Engine Record General Information

Manufacturer LYCOMING Model IO-360-A1B6D

Serial RL-21749-51A Type Certificate _____

This engine is currently installed in aircraft N2112Q S/N 177RG0512
C177RG

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer recommended overhaul at _____ hours

YEAR: 2012 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12/13	2825.5			100 HA SERVICE FOR ANNUAL INSPECTION FOLLOWING CESSNA CARRIERAL 177KG SERVICE MANUAL AND FAN 43 APPENDIX 'D' CHECK L&T DRAIN OIL REMOVE OIL FILTER CVT OPEN SAMPLE FOR INSPECTION NO METAL FOUND REPLACE WITH RTS ^{RTS} ARNDSTHELL 100 PLUS OIL TEMPLET AA491032 OIL FILTER RIFILL WITH RTS ARNDSTHELL 100 PLUS OIL COMP CLK #174/SD #275/80 #378/80 #476/80 ENGINE RUN SATISFACTORY NO OIL LEAKS FOUND

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>ENTRY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS HEREBY APPROVED FOR RETURN TO SERVICE.</p> <p>TACH TIME <u>2825.5</u> DATE <u>13 DEC 2012</u></p> <p>OBBS _____ TTE _____</p> <p>ITAF _____ TSMOH _____</p> <p>A & P/IA NO <u>3292187</u></p> <p>SIGNATURE <u>[Signature]</u></p>

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

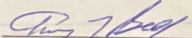
Reg. No. - N2112Q IO-360-A1B6D S/N L-21749 Date- 12/10/14

This Engine has been inspected in accordance with a 100 Hour/Annual Inspection and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

Compressions: #1 80/80, #2 80/80, #3 80/80, #4 80/80
 AD 11-26-04 (1/26/12) Fuel injection lines Complied With as per Paragraph (h) as required, no defects found.

Drained oil, replaced filter with AA48103, added 7 Qts Aero Shell W100 Plus oil, cleaned and gapped plugs, checked mag timing. Engine run and leak check good.

Tach	3183.2
TSMOH	206.5

Authorized Signature 
 A&P2145613IA

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

ENGINE MODEL: IO_360-A1B6D
 ENGINE S/N: RL-21749-51A
 REG. NO: N2112Q
 WORK ORDER: Murrieta6848-12-2015

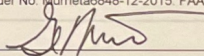
Gryphon Aircraft Services, LLC.
 37680 Sky Canyon Drive #602
 Murrieta, CA 92563
 Phone: 951-698-4260

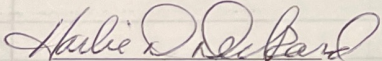
DATE: 3/1/2016
 A/C TSN: 3289.6
 ENG TT: 1013.9
 TSMOH: 1013.9
 TACH: 3289.6

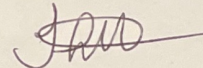
Engine Entries

Completed 100 HOUR INSPECTION per Gryphon Aircraft Services Inspection form. Changed oil and filter CH48110-1. Serviced engine with 8 qts. a/s 100. Compression check #1 78 #2 77 #3 77 #4 77. Cleaned, gapped and tested all spark plugs. See AD note update sheet and master list for complete AD note history thru this date and current revision.... Secured alternator wires as needed.... Cleaned and re attached outlet tube on vacuum pump.... Installed new alternator belt IAW maintenance manual, tightened and safetied.... Adjusted #2 cylinder oil return line to prevent rubbing on air box.... Adjusted #3 cylinder oil return line from rubbing intake tube.... Replaced fuel and oil cooler hoses. No leaks noted during ground run-up.... Re-torqued vacuum inlet hose nut and replaced hose clamp.... Secured starter cable support.... Install new grommet for EGT wires through firewall.... Replaced dipstick tube base gasket.... Re-rigged all engine control cables per Maintenance Manual.... Complied with AD 2015-19-07 by inspection of Fuel Injector lines IAW MSB 342G, due each 100 hours


I Certify that this ENGINE has been inspected IAW an 100 hour inspection and was determined to be in AIRWORTHY Condition. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta6848-12-2015. FAA CRS #2SDR271B.

DATE: 3/1/2016 SIGNED:  Work Order: Murrieta6848-12-2015
 Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	N2112Q	S/N 177RG0	Eng. S/N L-21749-51A	
	12/4/13	Tach 2976.7	SMOH 501.0	
	C/W 100hr/annual inspection per Cessna 177RG Maintenance Manual - changed engine oil and filter - 7qts Aero Shell 15/50 installed - inspected engine and engine mount system - compression check # 1 73/80, #2 70/80, #3 76/80, #4 71/80, - cleaned engine compartment - tightened all hose clamps - cleaned and gapped all spark plugs - replaced intake air filter - inspected ignition wire harness - checked magneto timing, found ok - inspected all fuel and oil hoses - cleaned fuel strainer - pressure tested exhaust system - tightened all hose clamps - grd run up leak check ok - I certify this engine has been inspected in accordance with a Part 43 Appendix D annual inspection and was determined to in an airworthy condition.			
				 Harlie D. Deckard A&P1829705 IA

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				Aero Bear Aviation Date: 01/15/2014 N2112Q Cessna 177-RG TAC Hours 2986.3 Troubleshoot rough magneto. Plugs checked OK. Remove magneto for overhaul. Complied with Service Bulletin on condenser grounding. Reinstall magneto after overhaul. Timed to Lycoming specs. Ground Run for return to service. Terry Lee Huntling  3480309 A/P IA

YEAR: 2014	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE 3/26/14	3038.1		3038.1	Charged oil + filled with 7 qts Aeroshell 100+ Plus Replaced oil filter with Champion CH4103-1, replaced Bracket on filter w/ P/N BA-5705 filter element. Robert G. Alley, owner, OAC, ASPL/MS #3068036
10-17-15	3279.1			100 Hr inspection following CBSSWA 177,177RG SERVICE MANUAL AND FAA 43 APPENDIX D CHECK LIST DRAW OIL, REMOVE OIL FILTER + CUT OPEN FOR INSPECTION NO METAL FOUND REPLACE WITH NEW CH4103-1 OIL FILTER AND SAFETY WIRE SAME SIZE WITH 7 QTS AEROSHELL 100+ OIL COMPRESSION #1 70/80 #2 75/80 #3 78/80 #4 70/80 ENGINE RUN SATISFACTORY NO OIL LEAKS FOUND ENGINE IS HERE BY RETURN TO SERVICE 3/28/15 3282187 LA

YEAR:	RECORDING TACH	TODAY'S FLIGHT	TOTAL	Description of Inspections, Tests, Repairs and Alterations
DATE	LOGBOOK ENTRY			
	Make/Model	Registration/Position	Serial Number	Tachometer
	IO-360-A1B6D	N2112Q	RL-21749-51A	3334.5
				Date 6/23/16
	COMPLIED WITH THE FOLLOWING MAINTENANCE:			
	<ol style="list-style-type: none"> Serviced with 8 (eight) quarts Aeroshell W100Plus. Replaced with new Tempest Oil Filter, part number AA48103-2. Replaced with 8 (eight) Owner supplied Tempest Spark Plugs, part number URHM38E. 			
	The aircraft, airframe, aircraft engine, propeller, appliance identified above was repaired and inspected in accordance with Manufacturer's maintenance manual current maintenance rules and the Federal Aviation Regulations and is approved for return to service with respect to the work performed.			
	 BAYMARK AVIATION VAN NUYS, CALIFORNIA (818) 461-2180 BERMUDA DUNES, CALIFORNIA (442) 777-3359			Signed _____ Arthur Larrobbis, A&P 3192922

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

Reg. No. - N2112Q IO-360-A1B6D S/N L-21749

Date- 3/15/17

Tach	3412.5
TSMOH	435.8

This Engine has been inspected in accordance with a 100 Hour/Annual Inspection and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

Compressions: #1 79/80, #2 79/80, #3 79/80, #4 79/80

AD 15-19-07 (11/3/15) Fuel Injection Lines inspected as per Paragraphs (e)(1)(ii). No Defects noted. Drained oil, replaced filter with AA48103, added 7 Qts Aero Shell W100 Plus oil, cleaned and gapped plugs, checked mag timing. Engine run and leak check good.

Flight Sport Aviation, LLC
Anthony Bell A&P, IA



Authorized Signature

Anthony Bell
A&P2145613IA

ENGINE LOG

pair

DATE: 6-23-2017

REGISTRATION: N2112Q Elapsed time since last log entry: 8

AIRCRAFT: Cessna 177RG

Serial No. 177RG0512

TACH: 3421

TTAF: 3421

ENGINE: Lycoming IO-360-A1B6D

Serial No. L-21749

TSMOH: 444

TTE: 1145

PROPELLER: McCauley B2D34C207 S/N: 741466

TSMOH: 0.0

TTP: 3421

I. AIRWORTHINESS DIRECTIVES:

Complied with Airworthiness Directive 2004-10-14. SB 475C. Re compliance due at propeller strike or engine overhaul. Crankshaft bolt and locking tab. Bolt torque set to 660 in. Lbs. in accordance with paragraph (6)

II. MAINTENANCE:

Propeller was removed from the aircraft due to prop strike. This prop strike did not result in a full stoppage of the engine. The propeller was overhauled by Ottosen Propeller CRS ZR2R355L under work order Number 0111056 FAA form 8130-3 111056. Re installed propeller on the airframe. Accessory case and accessories were removed and reinstalled to accomplish the above AD. All gaskets associated with these items were replaced. Replaced tach drive seal LW-14260. Magneto inspected, cleaned, lubricated and reinstalled. No magneto parts needed replacement at this time. Drained and replaced oil with Aeroshell W100 Plus. Replaced oil filter, filter was dissected and no significant particles found.

III. OPERATIONAL CHECK AND RUN UP.

This aircraft, engine and propeller were ground run and found to be operating within limits in accordance with the Cessna 177 Series Service Manual, Cessna 177 Owners Operating Manual, the instrument markings, controls and placards installed in the cockpit.

IV. REFERENCES:

McCauley Propeller Owners Manual. Cessna 177 Service Manual. Continental publication M-0.

Scott Farris
Scott Farris A&P 3692748 I.A.

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

Reg. No. - N2112Q IO-360-A1B6D S/N L-21749-51A

Date- 4/1/18

This Engine has been inspected in accordance with a 100 Hour/Annual Inspection and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.

Tach	3497.3
TSMOH	520.6

Compressions: #1 78/80, #2 79/80, #3 78/80, #4 79/80

AD 15-19-07 (11/3/15) Fuel Injection Lines inspected as per Paragraphs (e)(1)(ii). No Defects noted.

AD 17-16-11 (8/15/17) Connecting rod bushings N/A as per MSB 632B and date of overhaul.

Drained oil, replaced filter with AA48103-2, added 8 Qts Phillips 100 AW oil, cleaned and gapped plugs, checked mag timing. Engine run and leak check good.

Flight Sport Aviation, LLC

Anthony Bell A&P, IA



Authorized Signature

Anthony Bell
A&P2145613IA

Cessna 177RG S/N 177RG0512

N2112Q

Lycoming Engine IO-360-A1BD6, S/N L-21749

Tach: 3513.1 TSMOH: 536.4

PERFORMED THE FOLLOWING MAINTENANCE PER CESSNA 177RG SERVICE MANUAL:

- Removed engine oil filter and drained engine oil. Installed new Tempest oil filter P/N AA48103-2 and serviced with 7 quarts of Phillips 100AW. Leak check ops check good.
- CamGuard oil additive added with oil.

I certify that the aircraft has been inspected and found to be in airworthy condition with respect to the work performed and is approved for return to service.

Michael J. O'Brien

07/12/18

Michael J. O'Brien/Owner


YEAR:	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
		FLIGHT	TIME IN	

Cessna 177RG S/N 177RG0512
 N2112R
 Lycoming Engine IO-540-A1B02, S/N L-21749
 Tach: 3844.0 TSMOH: 867.3

PERFORMED THE FOLLOWING MAINTENANCE PER CESSNA 177RG SERVICE MANUAL:

- Removed engine oil filter and drained engine oil. Installed new Tempest oil filter P/N AA48103-2 and serviced with 7 quarts of Phillips 100AW. Leak check ups check good.
- CamGuard oil additive added with oil.

I certify that the aircraft has been inspected and found to be in airworthy condition with respect to the work performed and is approved for return to service.


 Michael J. O'Brien/Owner 012/28/18

MODEL	A/C S/N	A/C REG	A/C TT	TACH	DATE
Cessna 177	177RG0512	N2112Q	3552.4	3552.4	July 1, 2019
Engine	S/N	TT	TSMOH		
IO360-A1B6D	L-21749	3552.4	"0"		

Time Items Complied With:

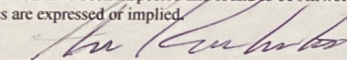
- 100 Hour Inspection IAW Lycoming Direct Drive M/M.

Maintenance Actions Performed:

- ENGINE MAJOR OVERHAUL:** Removed engine from airframe, disassembled engine, sent cases to Divco for inspection and yellow tag recertification. Sent gears, crankshaft to Aircraft Engine and Accessory for inspection and yellow tags. Installed new camshaft PN AEL18840 from Air Power in Arlington, Tx. New tappet bodies from Aircraft Spruce. Assembled the engine IAW Lycoming Direct Drive Overhaul Manual with cylinders overhauled by Sals Aircraft Cylinders in Prosper, Texas. Cylinders included new piston pins, piston pin plugs, pistons and rings. Installed new main bearings PN LW 16711/18D2608MO6 and SL18834MO6, new rod bearings PN SL-13212A MO3, repaired lifters from Aircraft Specialties Services, Inc, new fuel pump plunger PN AL61544 Rocker arms PN 60831 were inspected and recertified by Sal's Cylinders. The oil cooler PN 10599A was sent to Pacific Oil Cooler Service, Inc in LaVerne, Ca for flush and repair. New PN SL75441-1 gasket set, new crank gear bolt and locking tab, new rod bolts PN SL75060 and new nuts PN SL12186, new intake couplers, cylinder drainback rubber couplers, exhaust gaskets and nuts, new crankshaft forward seal, new engine fuel pump PN, LW15473 and oil pump housing PN LW-10342 was installed during engine build. Magnetos were sent to Aircraft Ignition Services in Honey Grove, Texas for a 500 hour inspection. (2) New engine mounts PN J9613-59 were installed. (2) new engine mount bolts N AN7-44 and (2) new engine mount bolts PN AN7-43 were installed. Muffler was inspected IAW a visual inspection with no abnormalities noted. Installed (8) new UREM38E spark plugs. Installed a new alternator belt. Aeroshell 100 oil was added and a new AA48103 filter. Reinstalled engine per Cessna 100 series MM. Engine was test run IAW Lycoming Direct Drive Overhaul Manual. Temperatures and pressures were normal and run in was satisfactory. All work as noted above was accomplished IAW current Lycoming Direct Drive overhaul manual, SI 1458G (connecting rod bolts torque) and Cessna 100 series MM.

I certify that the above maintenance/inspection was performed IAW current FAA regulations. All inspections were performed IAW CFR 91.409 (f)(3). Only those items specified have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Phil Robertson, IA 1804278

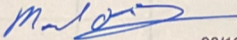


YEAR: Cessna 177RG S/N 177RG0512
 N2112Q
 Lycoming Engine I0-360-A1BD6, S/N L-21749
 Tach: 3563.3 TSMOH: 10.9
DATE:

PERFORMED THE FOLLOWING MAINTENANCE PER CESSNA 177RG SERVICE MANUAL:

- Removed engine oil filter and drained engine oil. Installed new Tempest oil filter P/N AA48103-2 and serviced with 7 quarts of Phillips 20-50 Mineral Oil. Leak check ops check good.

I certify that the aircraft has been inspected and found to be in airworthy condition with respect to the work performed and is approved for return to service.

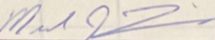

 08/18/19
 Michael J. O'Brien/Owner

YEAR: Cessna 177RG S/N 177RG0512
 N2112Q
 Lycoming Engine I0-360-A1BD6, S/N L-21749
 Tach: 3578.8 TSMOH: 26.4
DATE:

PERFORMED THE FOLLOWING MAINTENANCE PER CESSNA 177RG SERVICE MANUAL:

- Removed engine oil filter and drained engine oil. Installed new Tempest oil filter P/N AA48103-2 and serviced with 7 quarts of Phillips 20W-50 Oil. Leak check ops check good.
 Cam Guard Oil Additive added with oil

I certify that the aircraft has been inspected and found to be in airworthy condition with respect to the work performed and is approved for return to service.


 12/22/19
 Michael J. O'Brien/Owner

YEAR:	MODEL	A/C S/N	A/C REG	A/C TT	TACH	DATE	or Repair
	Cessna 177	177RG0512	N2112Q	3605.3	3605.3	June 15, 2020	
DATE	Engine	S/N	TT	TSMOH			
	IO360-A1B6D	L-21749	3605.3	"52.9 hrs"			

Time Items Complied With:

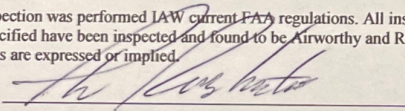
1. 100 Hour Inspection IAW Lycoming Direct Drive M/M.

Maintenance Actions Performed:

2. C/W compression test:
 - 1) 76/80
 - 2) 78/80
 - 3) 77/80
 - 4) 76/80
3. Tightened oil filler tube and re saftied IAW MM.
4. Drained oil, installed a new AA48103-2 filter, re filled with 7 quarts Phillips 20/50 oil and camguard, opened filter for inspection, no anomolies noted.
5. Lubricated exhaust tubes slip joints with anti seize IAW Powerflo instructions.
6. Installed a new BA5705 filter IAW Brackett instructions.
7. Verified correct timing on magnetos IAW MM.

I certify that the above maintenance/inspection was performed IAW current FAA regulations. All inspections were performed IAW CFR 91.409 (f)(3). Only those items specified have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Phil Robertson, IA 1804278



MODEL	A/C S/N	A/C REG	A/C TT	TACH	DATE
Cessna 177	177RG0512	N2112Q	3632.3	3632.3	May 14, 2021
Engine	S/N	TT	TSMOH		
IO360-A1B6D	L-21749	3632.3	"79.9 hrs"		

Time Items Complied With:

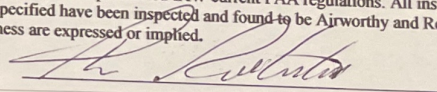
1. 100 Hour Inspection IAW Lycoming Direct Drive M/M.
2. Complied with AD 2015-19-07, fuel injector lines inspection per para (c)(1)(ii). Next due in 05-2025. No anomolies noted.

Maintenance Actions Performed:

2. C/W compression test:
 - 1) 80/80
 - 2) 80/80
 - 3) 80/80
 - 4) 77/80
3. Installed new mixture control cable PN MCC299507-0102 and rod end PN MCS1104-3 from McFarlane Aviation IAW MM.
4. Lubricated exhaust tubes slip joints with anti seize IAW Powerflo ICAW instructions.
5. Installed a new BA5705 filter IAW Brackett instructions.
6. Magneto PN 10-682555-11, sn G05CA074 was removed and sent to Aircraft Ignition Services, Inc for IRAN. Received repaired magneto after work order 5130 and installed IAW MM on Feb , 2021.

I certify that the above maintenance/inspection was performed IAW current FAA regulations. All inspections were performed IAW CFR 91.409 (f)(3). Only those items specified have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Phil Robertson, IA 1804278



YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

MODEL	A/C S/N	A/C REG	A/C TT	TACH	DATE
Cessna 177	177RG0512	N2112Q	3632.3	3632.3	July 9, 2021
Engine	S/N	TT	TSMOH		
IO360-A1B6D	L-21749	3632.3	"79.9 hrs"		

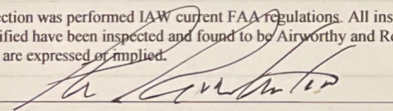
Time Items Complied With:

Maintenance Actions Performed:

- Removed engine from airframe for teardown inspection at Western Skyways in Montrose, Colorado IAW Lycoming and Cessna 177RG MM.

I certify that the above maintenance/inspection was performed IAW current FAA regulations. All inspections were performed IAW CFR 91.409 (f)(3). Only those items specified have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Phil Robertson, IA 1804278



YEAR:	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility.					
DATE				MODEL	A/C S/N	A/C REG	A/C TT	TACH	DATE
				Cessna 177	177RG0512	N2112Q	3632.3	3632.3	Dec 14, 2021
				Engine	S/N	TT	TSMOH		
				IO360-A1B6D	L-21749	3632.3	"79.9 hrs"		

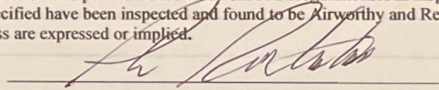
Time Items Complied With:

Maintenance Actions Performed:

- Reinstalled engine after receipt from Western Skyways in Montrose, Colorado IAW Lycoming and Cessna 177RG MM.
- Magneto was installed by Western Skyways during engine rebuild. They had sent it to Aircraft Accessories of Oklahoma IRAN.
- Installed prop governor that was returned from Western Skyways with the engine after they had sent it off for overhaul. See entry from Western Skyways.
- Installed (8) new UREM38E spark plugs.
- Phillips type M 20/50 weight oil was added IAW Lycoming manual for break in.
- Temperatures and pressures were normal and run in was satisfactory.

I certify that the above maintenance/inspection was performed IAW current FAA regulations. All inspections were performed IAW CFR 91.409 (f)(3). Only those items specified have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Phil Robertson, IA 1804278





WESTERN
Skyways
INC.
GOLD SEAL AIRCRAFT ENGINES

21 Creative Place Montrose, CO 81401 CRS # WS9R575J

Engine Model: IO-360-A1B6D

Serial Number: RL-21749-51A

Time: Unknown TTE

Work Order: W058040

Date: 15 OCT 2021

This engine was disassembled for a prop strike inspection per Lycoming **SB 533C**.

Crankcase match number TPH205PT, accessory housing and oil sump were fluorescent penetrant inspected.

Crankshaft S/N: V17783 was magnetic particle, visual and dimensional inspected. Magnetic particle inspected connecting rods, crankshaft gear, fuel pump drive gear, two idler gears, fuel pump plunger, magneto drive gears, oil pump drive and driven gears, thru bolts, tach shaft, push rod sockets and oil pump drive shaft.

Installed new camshaft AEL18840. Installed overhauled lifters 72877, see Aircraft Specialties Services, Inc 8130-3 Work Order 268151 dated 9 SEP 2021. Installed four repaired cylinders LW-12993, serial numbers 048919-21, 048906-16, 049878-20 and 049878-4, see our 8130-3 Work Order W058040 dated 22 SEP 2021. Installed new pistons SL10207 and new piston pins SL13444-1 and new ring sets SL3601-SC. Installed serviceable counterweights, P/N: 72801 certified by Rick Romans, Inc. under their W/O 54583 dated 03 MAR 2020. Installed serviceable oil fill tube 75736, see our 8130-3 Work Order W057659 dated 3 SEP 2021.

Installed overhauled magneto 10-682555-11 serial number G05CA074, see Aircraft Accessories of Oklahoma 8130-3 WO 46672 dated 1 OCT 2021.

Supplied overhauled propeller governor C290D3K-T12 serial number 736812, see Byam Propeller 8130-3 Work Order 42090 dated 27 SEP 2021.

Complied with **AD2002-12-07, complete loss of engine oil**, effective date 3 July 2002, by installation of new gasket 06B23072 per Lycoming MSB543A. Terminating action completed.

Complied with **AD2004-10-14**, by inspection of crankshaft gear and counter bore recess. Installed crankshaft gear with new dowel, new bolt part number AN8-14A and new locking hardware. Work performed per Lycoming **MSB 475C**. Next due upon propeller strike.

Complied with **AD2009-02-03, lean running engine**, effective date 9 FEB 2009, by removing brass plug, inspecting threads, and reinstalling brass plug with new gasket part number 2577258. "G" stamped onto plug. No further action required. See our 8130-3 Work Order W058040 dated 5 AUG 2021.

Complied with **AD 2015-19-07, fuel line failure**, effective date 3 NOV 2015, by inspecting, and installing lines and clamps per MSB 342G. Next Due in 110 hours, time in service.

Complied with **AD 2017-16-11, connecting rod failure**, effective date 15 AUG 2017, by completion of the connecting rod bushing press out verification procedure using tool P/N: ST-531 per **MSB 632**. Bushings did not move.

Engine was reassembled using new rod and main bearings, new rod bolts and nuts, new counterweight pins, plates, and snap-rings, new gaskets, and seals. Engine was run in a test cell for leak and operations check. All work was done per Lycoming Overhaul manual No. 60294-7-14, Table of Limits, and applicable service publications.

The engine and/or component identified above was repaired and inspected I/A/W current FAA Regulations and found Airworthy for return to service. Pertinent details of this repair are on file at this Repair Station under above work order.

Signed:

Ryan Dickerson
CRS# WS9R575J

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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MODEL	A/C S/N	A/C REG	A/C TT	TACH	DATE
Cessna 177	177RG0512	N2112Q	3632.3	3632.3	Dec. 16, 2021
Engine	S/N	TT	TSMOH		
IO360-A1B6D	L-21749	3632.3	"79.9 hrs"		

Time Items Complied With:

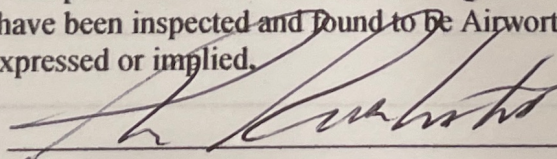
1. 100 Hour Inspection IAW Lycoming Direct Drive M/M.
2. Complied with AD 2015-19-07, fuel injector lines inspection per para (e)(1)(ii). Next due in 12-2025. No anomolies noted.

Maintenance Actions Performed:

3. Compression test: 1) 80/80 2) 80/80 3) 80/80 4) 80/80
4. Installed new mixture control cable PN MCC299507-0102 and rod end PN MCS1104-3 from McFarlane Aviation IAW MM.
5. Lubricated exhaust tubes slip joints with anti seize IAW Powerflo ICAW instructions.
6. Installed a new BA5705 filter IAW Brackett ICAW..

I certify that the above maintenance/inspection was performed IAW current FAA regulations. All inspections were performed IAW CFR 91.409 (f)(3). Only those items specified have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Phil Robertson, A&P, IA 1804278



YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Cessna 177RG S/N 177RG0512
N2112Q

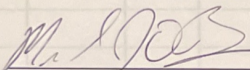
Lycoming Engine IO-360-A1BD6, S/N L-21749

Aircraft TT: 3657.3 Tach: 3657.3 TSMOH: 104.9

PERFORMED THE FOLLOWING MAINTENANCE PER CESSNA 177RG SERVICE MANUAL:

- Removed engine oil filter and drained engine oil. Installed new Tempest oil filter P/N AA48103-2 and serviced with 7 quarts of Phillips type M 20/50. Leak check ops check good.
- CamGuard oil additive added with oil.
- Opened filter for inspection, no anomalies noted.

I certify that the aircraft has been inspected and found to be in airworthy condition with respect to the work performed and is approved for return to service.


11/03/2022
Michael J. O'Brien/Owner

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

MODEL	A/C S/N	A/C REG	A/C TT	TACH	DATE
Cessna 177	177RG0512	N2112Q	3632.3 3657.3	3658.8	Dec. 15, 2022
Engine	S/N	TT	TSMOH		
IO360-A1B6D	L-21749	3658.8	"106.4 hrs"		

Time Items Complied With:

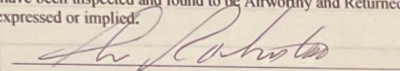
- 100 Hour Inspection IAW Lycoming Direct Drive M/M.
- Complied with AD 2015-19-07, fuel injector lines inspection per para (e)(1)(ii). Next due in 12-2026. No anomalies noted.

Maintenance Actions Performed:

- Compression test: 1) 80/80 2) 80/80 3) 80/80 4) 80/80
- Lubricated exhaust tubes slip joints with anti seize IAW Powerflo ICAW instructions.
- Installed a new BA5705 filter IAW Brackett ICAW..

I certify that the above maintenance/inspection was performed IAW current FAA regulations. All inspections were performed IAW CFR 91.409 (f)(3). Only those items specified have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Phil Robertson, A&P, IA 1804278



Yankee Aviation Services Inc.
320 South Meadow Rd.
Plymouth, MA 02360

N2112Q

IO-360-A1B6D – S/N: RL-21749-51A

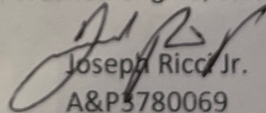
1/24/2024

W.O #110

Tach: 3696.1

SMOH: 143.7

I certify that I have inspected this engine in accordance with a 100 hour inspection and have found it to be in airworthy condition. Compression check #1-76/80, #2-76/80, #3-76/80, #4-76/80. Drained oil and serviced with 7 quarts Phillips 20/50XC and new AA48103 filter. Oil sample taken. Cleaned gaped and rotated spark plugs. Replaced BA-5705 air filter. Checked magneto timing. Cleaned fuel and oil screens. Replaced missing washer from LH lower engine shock mount. Replaced dipstick tube gasket. Replaced three flexible engine hoses from PHT under their W.O #626017. C/W AD15-19-07 fuel injection lines by inspection, next due 110 hours. Adjusted alternator belt tension. Installed Reiff HSS oil sump heater. C/W Powerflow annual inspection. Washed engine, static run-up OK.


Joseph Ricci Jr.
A&P3780069

nd Alterations

icate Number of Technician or Repair

Yankee Aviation Services Inc.
320 South Meadow Rd.
Plymouth, MA 02360

N2112Q

IO-360-A1B6D – S/N: RL-21749-51A

2/14/2025

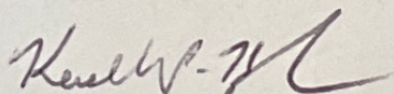
W.O 385

Tach: 0.0

SMOH: 166.9

I certify that I have inspected this engine in accordance with a 100 hour inspection and have found it to be in airworthy condition. Compression check #1-76/80, #2-74/80, #3-74/80, #4-72/80. Drained oil and serviced with 7 quarts Phillips 20/50XC and new AA48103 filter. Oil sample taken. Cleaned gapped and rotated spark plugs. Replaced BA-5705 air filter. Checked magneto timing. Cleaned fuel and oil screens. C/W AD15-19-07 fuel injection lines by inspection, next due 110 hours. C/W Powerflow annual inspection. Washed engine, static run-up OK.

Kenneth P Hughes
AP33549814



and Alterations

Certificate Number of Technician or Repair

YEAR:	RECORDING TACH TIME	TODAY'S	TOTAL	Description of Work	Technician or Repair
				Yankee Aviation Services Inc. 320 South Meadow Rd. Plymouth, MA 02360	
				N2112Q IO-360-A1B6D – S/N: RL-21749-51A	
				2/18/2026 W.O 752	
				Tach: 3727.4 SMOH: 175	
				I certify that I have inspected this engine in accordance with a 100 hour inspection and have found it to be in airworthy condition. Compression check #1-76/80, #2-76/80, #3-76/80, #4-72/80. Drained oil and serviced with 7 quarts Phillips 20/50XC and new AA48103 filter. Oil sample taken. Clean fuel and oil screens. Cleaned gapped and rotated spark plugs. Replaced BA-5705 air filter. Checked magneto timing. Cleaned fuel and oil screens. Washed engine, static run-up OK.	
				Jacob Ward	
				A&P4993718	
				<i>Jacob Ward</i>	